



NIEDERSÄCHSISCHE STAATS- UND
UNIVERSITÄTSBIBLIOTHEK GÖTTINGEN



The ASCH Project - Towards the Contextualization of Provenance Information

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About the Project



- Purpose and Scope:
 - developing a metadata model for contextualising heterogeneous objects from collections
 - with special focus on provenance information
- Funding
 - by Deutsche Forschungsgemeinschaft
 - 01.09. 2014 – 31.08. 2017
- Project Lead:
 - Göttingen State and University Library
 - Institute of Social and Cultural Anthropology at the University of Göttingen
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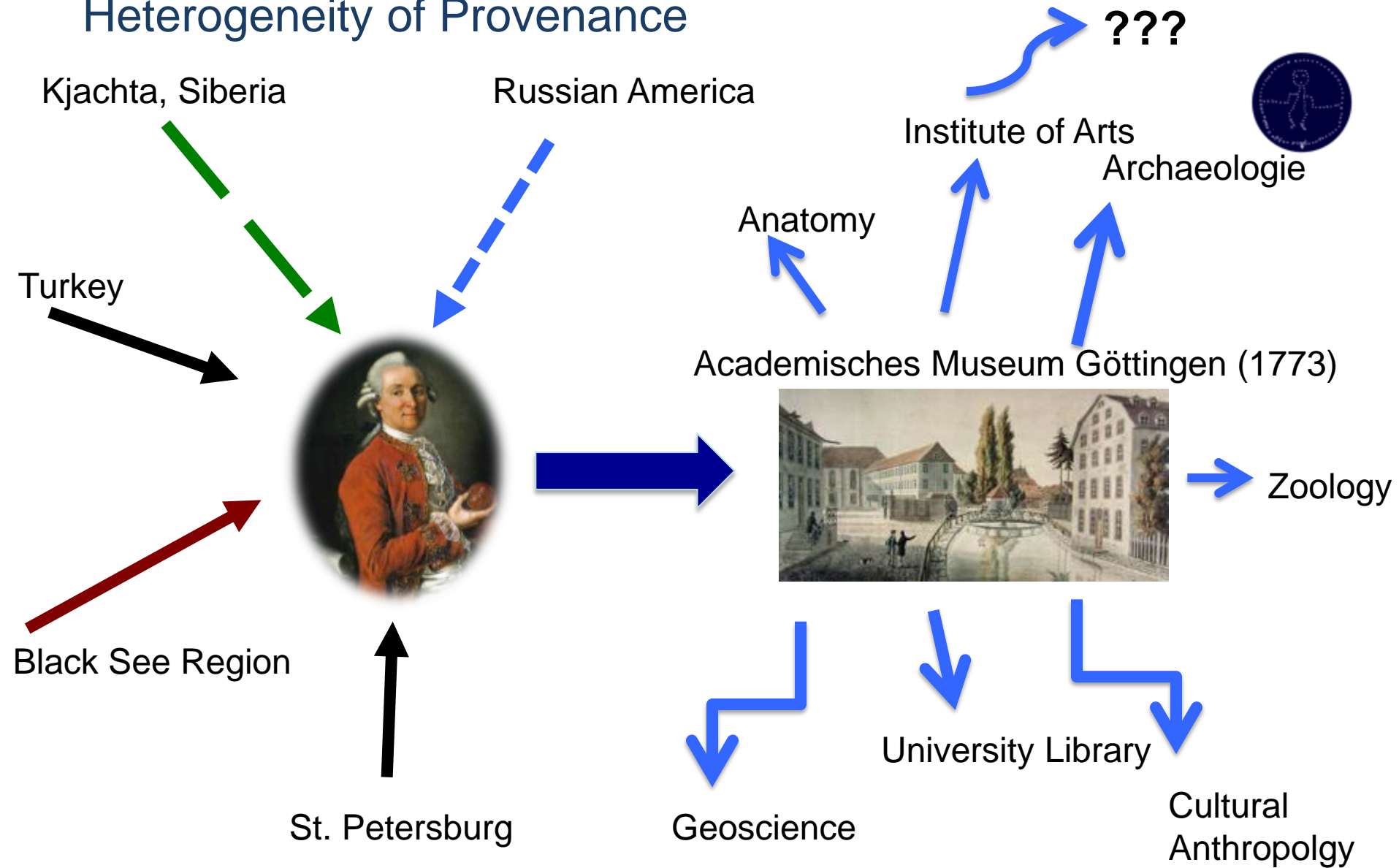
Why Provenance „von Asch“?



Georg Thomas von Asch (1729-1807)

portraiture by Kyrill Golowatschewski,
Oil on canvas, 86 x 70 cm,
donation of 1780

Heterogeneity of Provenance

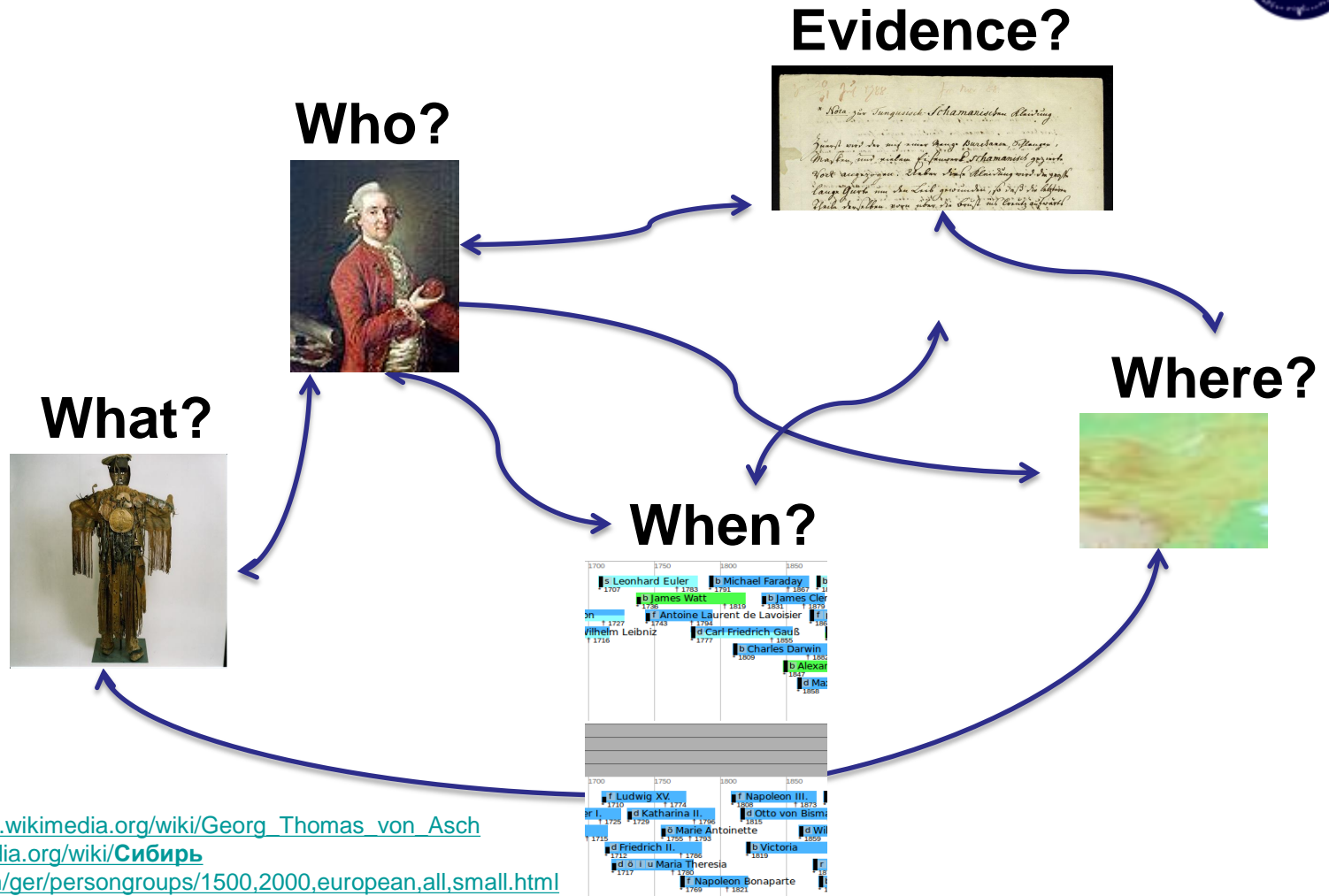


Heterogeneity of the Collection



- Manuscripts, books, maps (Göttingen State and University Library)
- Coins and medals (Institute of Archaeology)
- Anthropological items from different regions of the world (Institute of Social and Cultural Anthropology)
- Rocks, minerals, meteorite, fossils (Geoscience Centre)
- Engravings and portraits (Arts Collection)
- Human skulls (Centre for Anatomy)
- Mounted animals (Museum of Zoology)
- Seeds (?)

Contextualization of Provenance Information



Source: http://commons.wikimedia.org/wiki/Georg_Thomas_von_Asch
<http://commons.wikimedia.org/wiki/Сибирь>
<http://www.vistorica.com/ger/persongroups/1500,2000,european,all,small.html>



Von Asch Evidence

- Letters and listings from von Asch
- Letters about the items von Asch sent to Göttingen
- Lists and inventories
- Notes about single items
- Labels (written by von Asch himself or later by Blumenbach et al. in Göttingen)

Verzeichniß einiger gedruckten Bücher in 8^{vo}

- N^o 1. *Morand. Catalogue des piéces d'Anatomie, Instruments, Machines &c. qui composent l'arsenal de Chirurgie formé à Paris pour la Chancellerie de Médecine de St. Petersbourg. à Paris. 1759.*
2. *Pedorowicz. Introduction à la Theorie de la Fortification en table Analytique. St. Petersb.*
3. *Büschings Trauer Rede auf den Tod v. Engelmann. D. Petersb. 1763.*
- 4. *— Trauer Rede auf den Tod der Fr. Pastorin Trefurtin. D. Petersb. 1765.*
5. *Göbel's Nachriecht von der Beerdigung der v. Petersb. Kirche in D. Petersb. 1765.*
6. *Описание Дороги от Санкт Петербурга до Москви. 1762.*
7. *Modelle Einführung des Salniters in der Asabach. D. Petersb. 1774.*

St. Petersburg
den 22. August 1778.
2. September

Larou v. Büsch.

____ [Büschings] TrauerRede auf den Tod der Fr. Pastorin Trefurtin. St. Ptetersb. 1765

Standrede,
welche
bey dem Sarge
einer ehrwürdigen Christin,
der Frau
Seniorin und Pastorin
Anna Catharina
Erfurtin,
gebahrnen Engelhardtin,
am 28 Hornung 1765
in der Evangelischen St. Peters-Kirche
gehalten worden
von
Anton Friderich Büsching,
Doctor der Theologie und Philosophie, Pastor der Evan-
gelischen St. Peters-Gemeine, und Director
ihrer Schule.

St. Petersburg, 1765.

3



Title page of the book, now part of
the stock of the Göttingen State
and University Library.

Digital Copy:

[https://www.deutsche-digitale-
bibliothek.de/item/6IOEUJNCLFUM
CADYCPFRXIL7V4AS66X6](https://www.deutsche-digitale-bibliothek.de/item/6IOEUJNCLFUMCADYCPFRXIL7V4AS66X6)

20
31 Jul 1788.

Jon Nov 88.

* Nota zur Tungusisch-Schamanischen Kleidung

Zunächst wird der mit einem Mangel Burebanen, Distanzen,
Mastbau, und vielen fischenwird Schamanisch gezeichnet.
Vord ausgezogen. Dabei diese Kleidung wird die große
lange Gürtel um den Leib gewunden, so daß der letzte
Hahn der selben vorn über den Brust mit Kreuz aufwärts

inscriptio wird auf der rechten Seite am Ende befestigt.
Der Schaman glaubt nur, daß sie sein Diplom sey.

Die runde Stellung, könnte eingefest so aufgesetzt
werden, wie für den Schaman Tab. 68. (die Herstellung dieser
Stationen) dargestellt ist.

Nur die Zaubersprüche, welche auf der
Seite des Schamanen stehen, sind auf der Seite

Unter den Mangel von Burebanen, Distanzen, glücken, und
so vielen fischen Anfangs, am Schamanischen Kande,
bemerkt man auf jedem Ende, worin die fische, fließt
aufbewahrt ist.

3. 1788

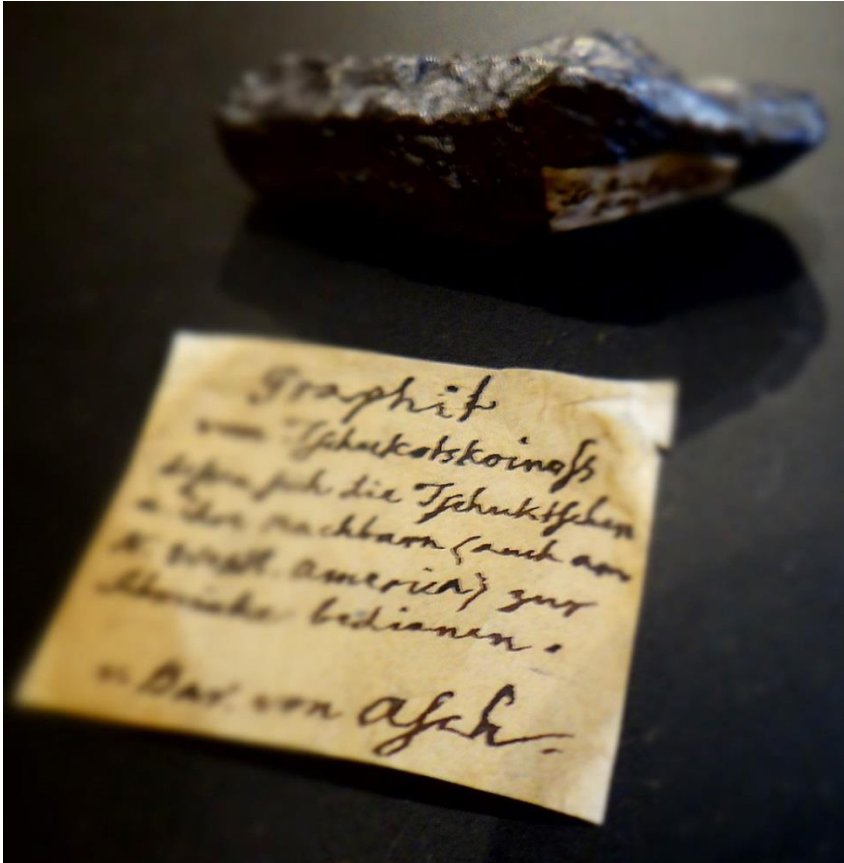
Ethnographic Collection



Shamans costume back, Siberia,
Tungus (Evenks),

As 957

Geoscience Centre: Historical Collections



Graphite; Geoscience Museum;
with original labeling – von Asch gives
some information on the graphite's use

Anatomy

Zoology

Geoscience Centre

Arts Collection

Archaeological Institute

Ethnographic Collection

Library



**7 AT ONE STROKE:
7 COLLECTIONS – ONE MODEL**





Use Cases

- UC 1 Information about resources
- UC 2 Identification of resources
- **UC 3 Information about the history/lifecycle of resources**
- UC 4 Information about change of use and reception of resources
- **UC 5 Proof of information by evidence**
- **UC 6 Reliability of statements**
- UC 7 Access to resources
- UC 8 Reuse of data

(http://asch.wiki.gwdg.de/index.php/Use_Cases)



Description of Provenance

- „... descriptions of the entities and activities involved in producing and delivering or otherwise influencing a given object.“

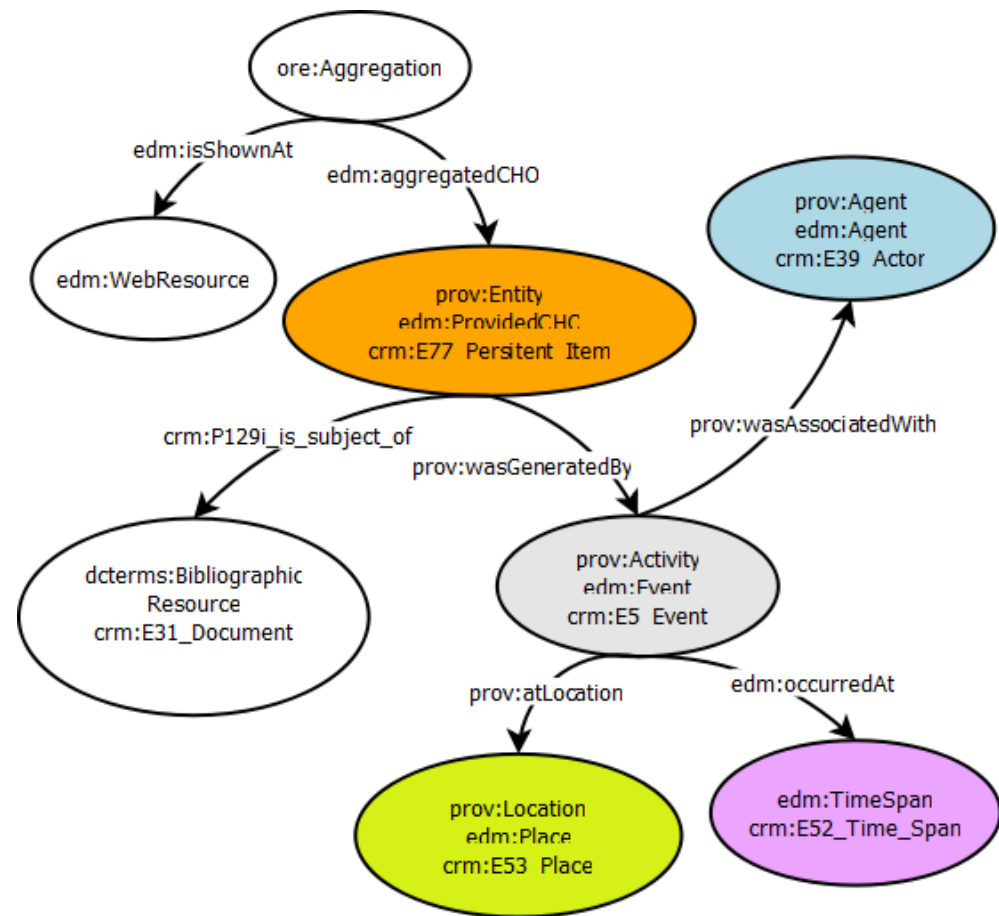
Source: <https://www.w3.org/TR/prov-overview/>

- Description of the events in the lifecycle of an object
 - LIDO (Lightweight Information Describing Objects)
 - CIDOC-CRM (Conceptual Reference Model of the International Committee for Documentation of the International Council of Museums)
 - W3C PROV (a specification to express provenance records)
- Involved entities: what, who, when, where
- Evidence verifying statements



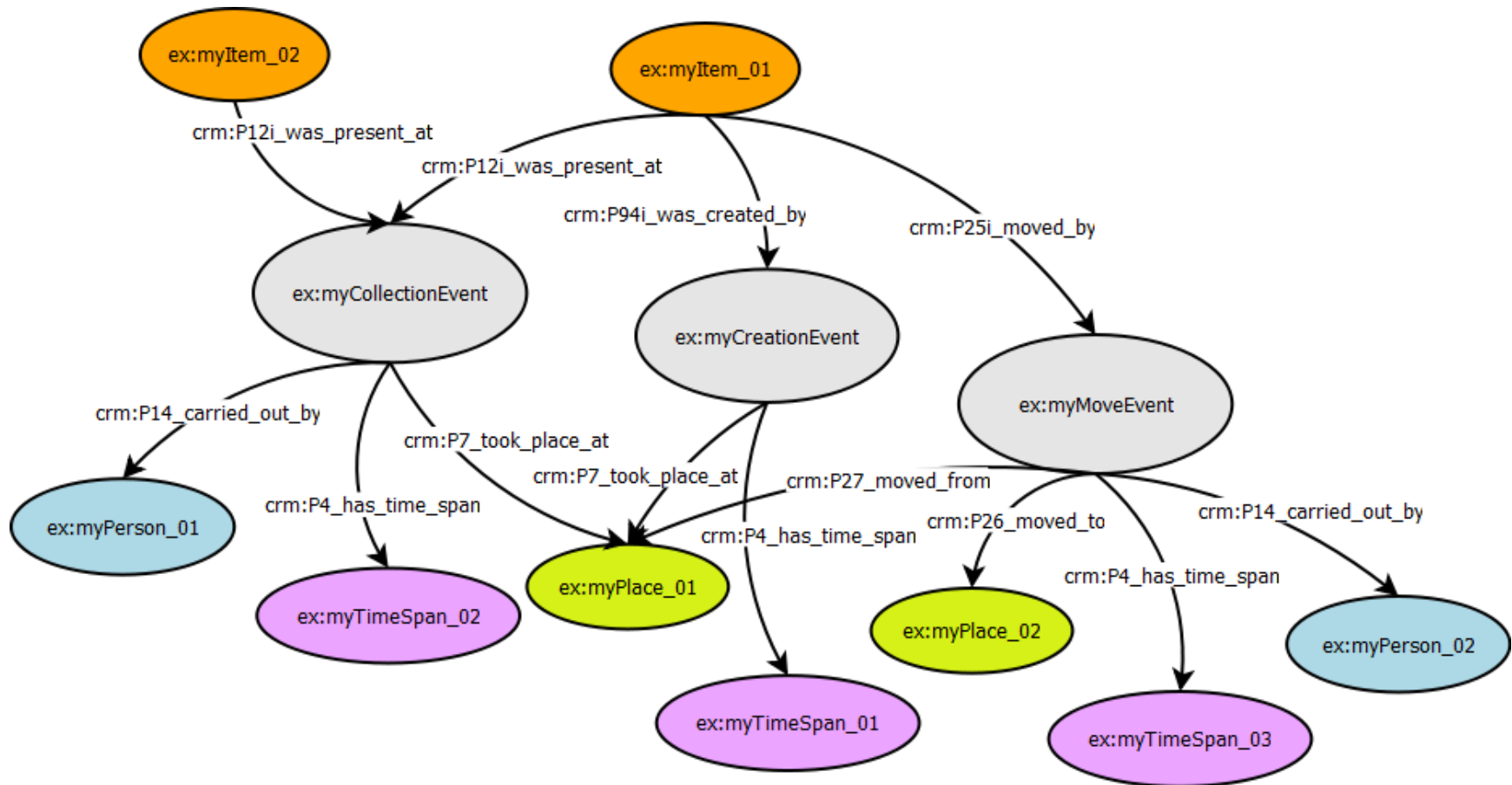
History/Lifecycle of a resource

- Developing a metadata framework to bring together provenance descriptions of different type
- Focusing on activities/events
 - W3C PROV as the backbone
 - Align it with other standards (e.g. EDM, CIDOC CRM)
 - Align it with digital representations
 - Align it with evidence



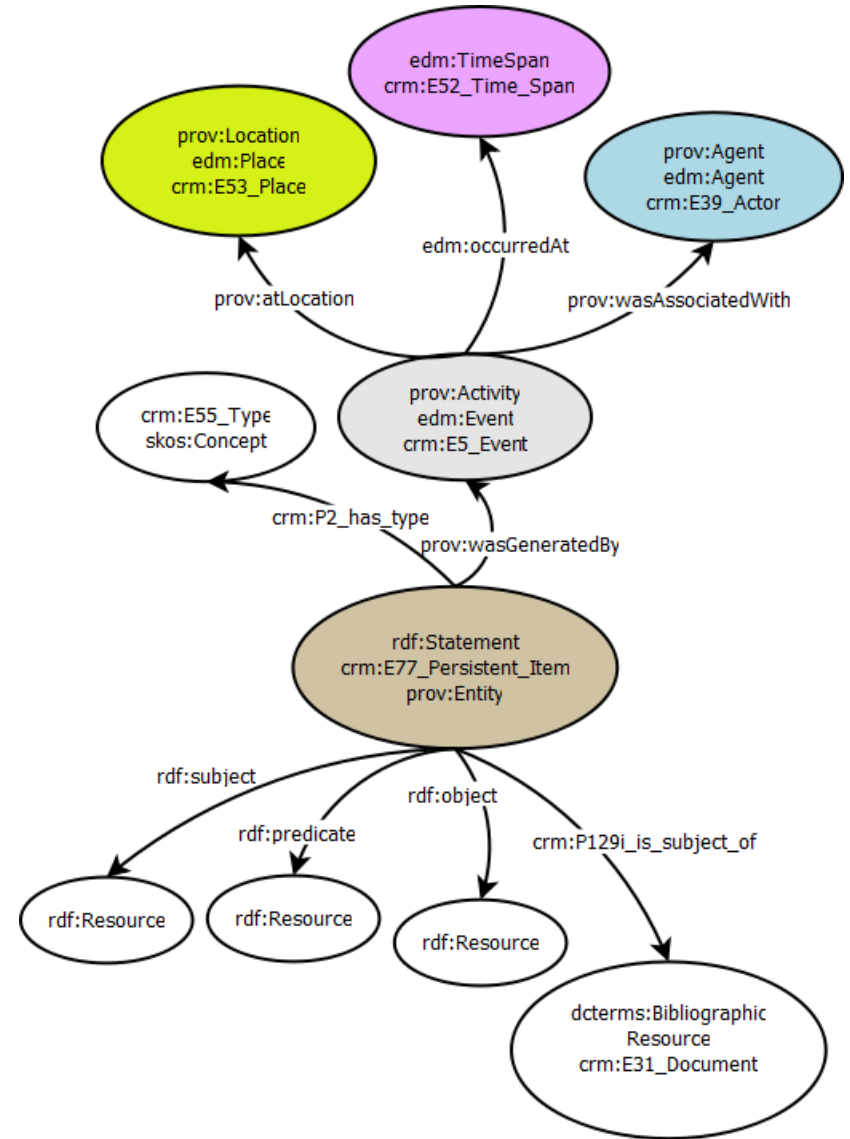


Event-based Description of the Lifecycle

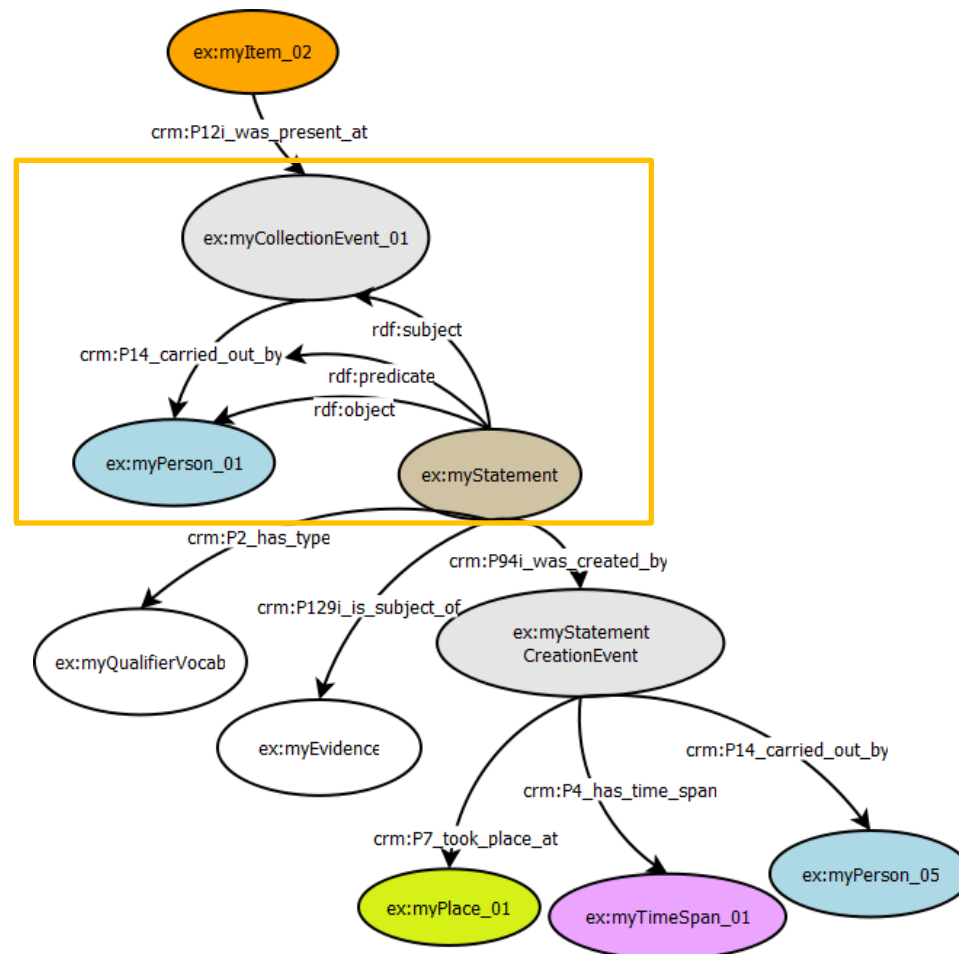


Statement Provenance

- Developing a metadata framework that allows to describe
 - Who made what statement when and where
 - How reliable a statement is
- Reuse of existing standards
 - Focusing on RDF -> Reification
 - Align it with other standards
 - Align it with evidence descriptions
- „Reification in this context means the expression of something in a language using the language, ...“ (Source: <https://www.w3.org/DesignIssues/Reify.html>)

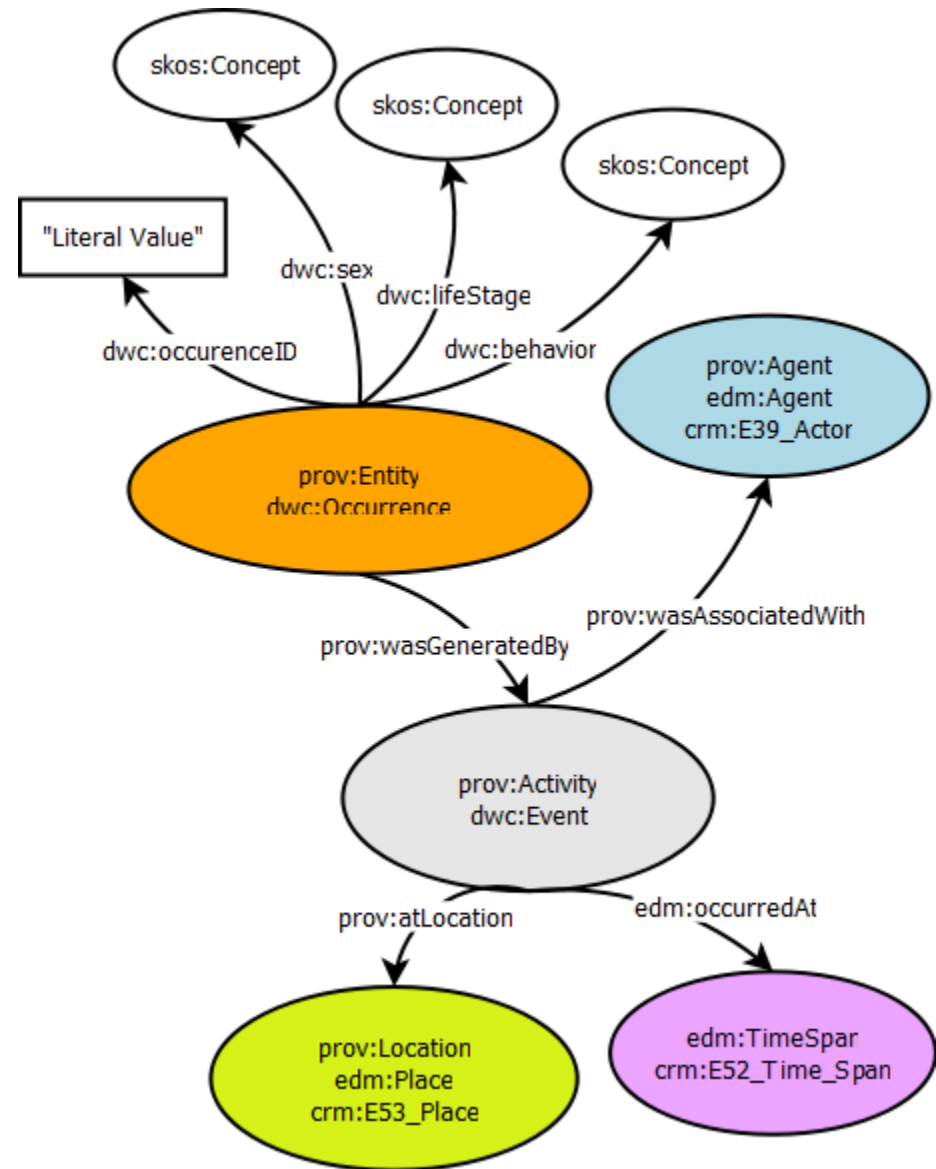


Description of Provenance Statements



Domain-specific Description

- Align provenance description with domain-specific standards
 - Darwin Core
 - MODS
 - nomisma.org
 - etc.
- Provide provenance information in different RDF-compliant standards
 - CIDOC-CRM
 - Darwin Core
 - EDM
- Dumb-Down specific Properties and Classes





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Any questions?

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and more information at:

http://asch.wiki.gwdg.de/index.php/Main_Page